

QIP2500

Hybrid QAM/IP HD Set-Top Terminal

SPECIFICATION SHEET



FEATURES

64/256 QAM tuner supports standard MPEG-2 formats

Embedded IP networking over coaxial cable using MoCA technology

Two-way IP data communication

Industry-standard video, audio, and data outputs (for details, see "Specifications")

Dolby® 5.1 digital audio

Decrypts CSA or DES

MediaCipher® access control

Macrovision® copy protection

Front-panel LED display with navigation buttons

Digital on-screen diagnostics

USB1.1, IR Blaster, Smart Card, and data ports

Switched accessory outlet

BENEFITS

Superior all-digital video and sound quality for a true home theater experience

Decodes standard-definition digital programs

Processes QAM and IP video transports

Embedded IP networking supports high bandwidth data applications

Can operate as part of a multi-room DVR home network via MoCA

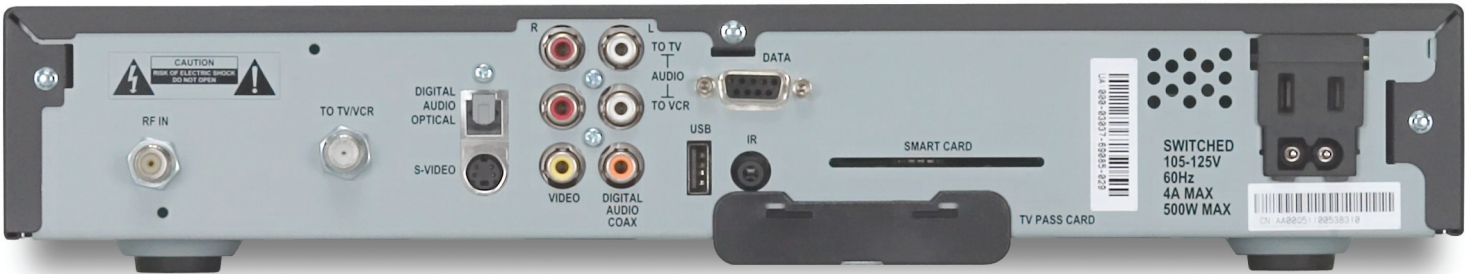
Supports typical digital TV functionality, including interactive program guides (IPG), video on demand (VoD), and commercial-free, CD-quality music



The Motorola QIP2500 decodes standard digital MPEG-2 video formats transmitted via QAM or IP. It supports embedded IP networking using Multimedia Over Coax Alliance (MoCA) technology. The resulting IP connectivity enables communication with other set-tops throughout the home and VoD over IP.

SPECIFICATIONS

Input frequency	
Video (QAM)	54 to 860 MHz
IP	1125 to 1425 MHz
Home Network	MoCA-compliant
Outputs	
Video	S-Video, composite video, channel 3 and 4 RF remod
Audio	Left/right baseband, optical and coaxial S/PDIF
Memory	
DRAM	32 MB standard unified
Flash	8 MB
NVMEM	256 KB
Video	MPEG-2
Video resolution	480i
Graphic resolution	Up to 704 x 480
Colors	16 bit standard
Digital input level	
64 QAM	−15 to +15 dBmV
256 QAM	−12 to +15 dBmV
RF Data carrier	
Frequency	Agile receiver 70 to 130 MHz
Bandwidth	1.5 MHz
Level	−15 to +15 dBmV
IP Data Carrier	
Frequency	1125 to 1425 MHz
Bandwidth	50 MHz
Level	0 dBm
Operating temperature	15 to 40 °C (59 to 104 °F)
Operating humidity	5 to 95% (noncondensing)
AC voltage	95 to 135 VAC, 60 Hz
Power dissipation	15 W nominal at 115 VAC
Size	14.72 in. (37.4 cm) W, 10.00 in. (25.4 cm) D, 2.75 in. (6.9 cm) H
Weight	Approximately 5.5 lbs.



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